

Claims

1. A component (1) of an adjustment mechanism for a vehicle roof of a convertible, designed to be adjustable between a first position and a second position, which is exposed to alternating loads as a function of its position and is topologically and/or topographically adjusted to the loads acting on component (1) for a predefined design space, so that a uniform stress distribution is at least approximately present in component (1), at least in critical load situations, and the component (1) is designed in the areas with limited load with less use of material than in the areas with higher load, or with a recess (2).
2. A component according to Claim 1,
characterized in that
a reinforcing part is arranged at least in an area with lower material use or in an area of a recess (2).
3. A component according to Claim 1,
characterized in that
the reinforcing part (5; 5A; 5B) is designed, at least partially, as an element firmly connected to a wall of component (1).
4. A component according to one of the Claims 1 through 3,
characterized in that
it is designed as a cast part.
5. A component according to one of the Claims 1 through 4,
characterized in that
it is designed as a milled part.
6. A component according to one of the Claims 1 through 5,

characterized in that

it is produced from an aluminum or magnesium alloy.

7. A component according to Claim 1 or 2,
characterized in that
that it is designed as a sheet-metal part.
8. A component according to Claim 7,
characterized in that
the sheet-metal part is produced from steel.
9. A component according to Claim 7 or 8,
characterized in that
the component (1) is designed as a single part produced by sheet deformation, which is preferably designed with an open profile and is formed with a topology and/or topography adapted to the loads.
10. A component according to Claim 7 or 8,
characterized in that
the sheet-metal part (1) is produced from two or more individual parts (1A, 1B) connected to each other.
11. A component according to one of the Claims 1 through 8,
characterized in that
the component (1) consists of several individual parts (1A, 1B) connected to each other, preferably welded, which form a closed profile, at least in some areas, each of the individual parts (1A, 1B) being designed for a topology and/or topography adapted to the loads.
12. A component according to one of the Claims 2 through 11,
characterized in that

the reinforcing part is designed, at least partially, as a flange edge (3) surrounding a recess (2)